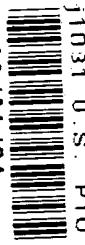


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Attorney Docket No. 2950.54US01



APPLICATION TRANSMITTAL

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the patent application of

INVENTOR(S): Xiangxin Bi, Elizabeth Anne Nevis, Ronald J. Mosso, Michael Edward Chapin,
Shivkumar Chiruvolu, Sardar Hyat Khan, Sujeet Kumar, Herman Adrian Lopez,
Nguyen Tran The Huy, Craig Richard Horne, Michael A. Bryan, and Eric Euvrard

FOR: THREE DIMENSIONAL ENGINEERING OF PLANAR OPTICAL STRUCTURES

Enclosed are:

- Specification and Abstract - 107 pages.
- Drawings - 24 sheets (Figs. 1-50).
- Unsigned Combined Declaration and Power of Attorney.
- Information Disclosure Statement.
- Assignment papers.
- CD-ROM or CD-R in duplicate, and Compact Disc Transmittal.
- Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i) (nonpublication).
- _____.

The filing fee has been calculated as shown below:

	No. Filed	No. Extra	Small Entity Rate	OR	Large Entity Rate
Basic Fee			\$370	OR	\$740
Total Claims	147 - 20	= 127	x 9 = \$1,143	OR	x 18 = \$
Independent Claims	20 - 3	= 17	x 42 = \$714	OR	x 84 = \$
Presence of Multiple Dependent Claim			+ 140	OR	+ 280
			TOTAL \$2,227.00	TOTAL \$	
**If the difference is less than zero, enter "0"					

Applicant(s) is/are entitled to small entity status in accordance with 37 CFR 1.27.

[] A check in the amount of \$00 to cover the filing fee and/or an Assignment recordation fee is attached. The Commissioner is hereby authorized to grant any extensions of time and to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required during the entire pendency of this application to Deposit Account No. 16-0631.

[] This application claims the benefit of U.S. Provisional Application No. _____, filed _____.

Respectfully submitted,



Peter S. Dardi, Ph.D.
Registration No. 39,650

CERTIFICATE OF EXPRESS MAIL

“Express Mail” mailing label number EV 011652538 US. Date of Deposit: December 21, 2001. I hereby certify that this paper is being deposited with the United States Postal Service “Express Mail Post Office to Addressee” service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Peter S. Dardi
Name of Person Making Deposit

Peter S. Dardi
Signature